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NITIAL Î	5,416,797	5/16/95	Gilhou	sen et al.	375	705		
1	5,495,498	2/27/96	Tomina	nga et al.	375	200		
	5,309,474	05/03/94	Gilhou	sen et al.	375	1		
	5,479,397	12/26/95	W.C.Y	. Lee	370	18		
	5,596,333	01/21/97	E.J. Br	uckert	342	457		
	5,442,625	08/15/95	R.D. G	itlin et al.	370	18	ļ	
	5,596,601	1/21/97	Bar-Da	avid				
	5,604,766	2/18/97	Dohi e	t al.			ļ	
	5,673,260	9/30/97	Umeda	a et al.	370	342	ļ	
1	5,802,110	9/1/98	Watan	abe et al.	375	259		
IK	4,934,844	6/26/90					<u> </u>	
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8	WO 95/12943	05/11/95	PCT					
1	WO 97/50194	12/31/97	PCT		<u> </u>			
	WO 97/02665	01/23/97	PCT					
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8	0 652 650 A2	10/31/94	EPO					
	OTHER DOCUM	ENTS (Includi	ing Auth	or, Title, Date, Pertinent	Pages, Et	c.)		141 1
1	Tomohiro DOHI, et al DS-CDMA".	., IEICE Trans. (	Commun.	, Vol. E79-B, No. 9, Septeml	ber 1996, "E	experiments on (	Conerent M	
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	4	0 490 554 A2	6/17/1992	Europe		H04Q7	04	1		
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10	9	EP (	0652650 B1	5/10/1995	Europe		H04B7	26	<b>y</b>	
			OTHER DOCUME			r, Title, Date, Pertinent F	Pages, Etc	:.)		
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